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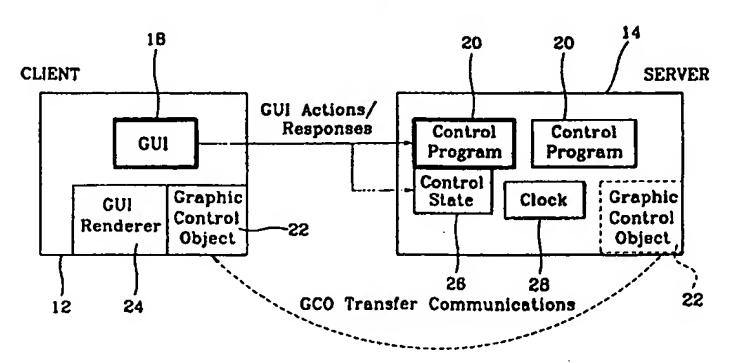
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(54) Title: METHOD AND APPARATUS FOR USER AND DEVICE COMMAND AND CONTROL IN A NETWORK

Module Elements GUI Control

(57) Abstract

    Method and system for performing a service on a home network having a plurality of home devices connected thereto, by: connecting a client device to the home network for displaying a user interface; executing a software agent on the client device for obtaining selection information for the network devices and displaying the selection information on a user interface displayed on the client device; selecting a first home device connected to the network from the user interface being displayed on the client device; reading first capabilities data for the first home device, where the first capabilities data includes information in a structured format for identifying the capabilities of the first home device; reading second capabilities data for a second home device connected to the network, where the second capabilities data includes information in the structured format for identifying the capabilities of the second home device; comparing the first and second capabilities data of the first and second home devices, respectively; selecting the second home device from the user interface displayed on the client device; and sending control and command data from the client device to the first and second home devices to cause the first and second home devices to communicate with each other to perform the service.

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(54) Title: CONTROL PROPERTY IS MAPPED ONTO MODALLY COMPATIBLE GUI ELEMENT

(57) Abstract

An information processing system has an electronic device and a controller for control of a functionality of the device. An abstract representation of the functionality is provided to the controller. The abstract representation exposes a modality of controlling the functionality. The controller enables controlling the functionality through interaction with the abstract representation. The modality controls associating the control of the functionality with a modally compatible controlling capability of the controller. The modality exposed can be, for example, "Boolean", "float", "integer array".

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(54) Title: METHOD AND APPARATUS FOR A HOME NETWORK AUTO-TREE BUILDER

(57) Abstract

A method and system is provided for detecting, commanding and controlling diverse home devices currently connected to a home network. An interface is provided for accessing the home devices that are currently connected to a home network. According to the method, a device link file is generated, wherein the device link file identifies home devices that are currently connected to the home network. A device link page is created, wherein the device link page contains a device button that is associated with each home device that is identified in the device link file. A hyper-text link is associated with each device button, wherein the hyper-text link provides a link to an HTML page that is contained on the home device that is associated with the device button, and the device link page is displayed on a browser based home device.